



Model	Model Code	Model Type
BF175AK1	BAJJ,BAKJ	
BF200AK1	BAEJ,BAFJ	
BF225AK1	BAGJ,BAHJ	

Authorized by MATSUMURA HIROYUKI
Power Product Service Engineering Department, Honda Motor Co.,Ltd

History

Final			03/Oct/2012
Updated	CZZZ99	Other	19/Mar/2012
Provisional	CZZZ99	Other	24/Aug/2011

Related QIC Report Number(s)

6ASH2010008-00, 6ASH2010008-01, 6ASH2010008-02, 6ASH2010008-03, 6ASH2010008-04, 6ASH2010008-05, 6ASH2010008-06, 6ASH2010008-07, 6HNZ2011003-00, PFM005-00

Forward bevel gear broken

Symptom

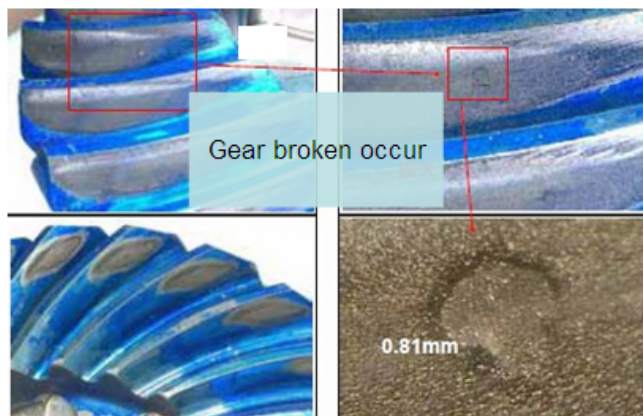
During customer use engine and engine have abnormal sound. Customer change gear oil and found some steel mix in gear oil.

Causes

Lack of durability of gear size against hard professional user.

- Tooth flank pressure amplitude, fatigue fracture by dedendum stress amplitude
- Dedendum stress increase by gear displacement
- Tooth form accuracy/ Surface roughness irregularity

<Recurrence test>



Countermeasure

No countermeasure taken because failure occur from only hard professional user and occurrence ratio is also low.

Market Treatment

Fix as failed.

Repair Method

Disassemble gear case then check related gears and oil seal. In case of forward bevel gear or oil seal got damage please exchange damaged parts or gear case assembly as per damage condition.

Parts Information

Type	Parts Number	Description
L	41100-ZY3-000ZA	GEAR CASE ASSY
XL	41100-ZY3-610ZA	
XXL	41100-ZY3-620ZA	
XL(C/R)	41100-ZY3-710ZA	
XXI(C/R)	41100-ZY3-720ZA	

*C/M Parts number is not changed from failed parts number.



Warranty Application

Warranty Applications: Ordinary
Claim Type: 000 Standard Warranty
Symptom Code: 01801

L.O.N	Description	FRT
2101D7	CASE, GEAR	1.8

Main causal parts numbers are follow,

Type	Parts number	Description
L	41100-ZY3-000ZA	GEAR CASE ASSY
XL	41100-ZY3-610ZA	
XXL	41100-ZY3-620ZA	
XL(C/R)	41100-ZY3-710ZA	
XXL(CR)	41100-ZY3-720ZA	

Distribution Level

Distributor only

Distributor Code(s)

101, 120, 130, 25F, 302, 33N, 34M, 350, 374, 378, 404,
504, 507, 508, 511, 522, 530, 53S, 550, 557, 564, 577,
62A, 741, 771